

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	13 September 2022
Team ID	PNT2022TMID53713
Project Name	GAS LEAKAGE MONITORING & ALERTING SYSTEM FOR INDUSTRIES
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

Step-1: Team Gathering, Collaboration and Select the Problem Statement

Gas Leakage Monitoring & Alerting System For Industries

This project helps the industries in monitoring the emission of harmful gases. In several areas, the gas sensors will be integrated to monitor the gas leakage. If in any area gas leakage is detected the admins will be notified along with the location. In the web application, admins can view the sensor parameters.

Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

10 minutes

- Team gathering**
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- Set the goal**
Think about the problem you'll be focusing on solving in the brainstorming session.
- Learn how to use the facilitation tools**
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#)

Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

5 minutes

PROBLEM

Continuously use our natural gas and it is very useful for heating purposes. If this gas is leaked in our industries, often an explosion and not allowed to flow. It may lead to a fatal disaster and may cause human loss. For this purpose, we can use a sensor to detect an electronic device to sense that leakage and alert the organization personnel to reduce that leakage problem and save money and human loss.

Key rules of brainstorming

To run an smooth and productive session

- Stay on topic
- Encourage wild ideas
- Defer judgment
- Listen to others
- Go for volume
- If possible, be visual

Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

VISHNU PRAKASH



THIRUVANATH



SHIVA DUTT



VISHAL



3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes



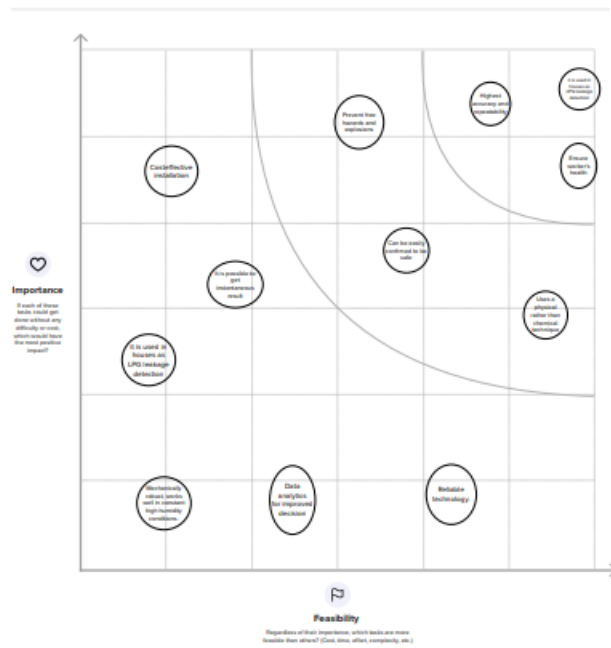
Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

⌚ 20 minutes



After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

Quick add-ons

Share the news

Share a view link to the manual with stakeholders to keep them in the loop about the outcome of the session.

Export the model
Export as a .mat file

Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save to your drive.

Keep moving forward

 Strategy Blueprint

- Define the components of a new idea or strategy

[Open the template ->](#)

 Customer experience journey map
Understand customer needs, gather

- Understand customer needs, motivations, and obstacles for an experience.

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Strengths, weaknesses, opportunities & threats
Identify strengths, weaknesses, opportunities,

Identify strengths, weaknesses, opportunities, and threats (SWOT) to develop a plan.

[Open the template](#) -4

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